

- Environmental Awareness
- Community Engagement
- Mental Health Focus

Educate on Green Infrastructure

Team M2



Repair  
Reuse  
Reinvent

Water used for Irrigation on UP Campus  
1,000,000 gallons/year

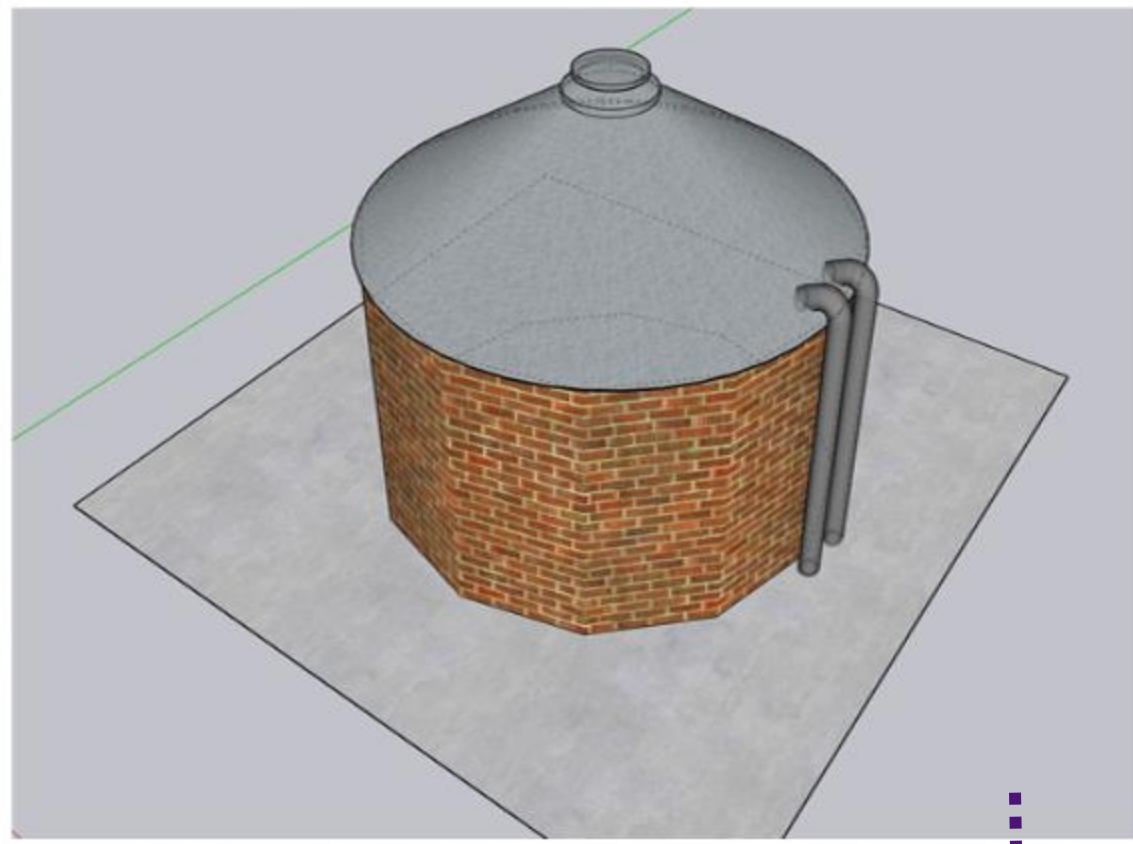
42.8 in/year  
Precipitation in Portland, OR

Purple Thyme Cover

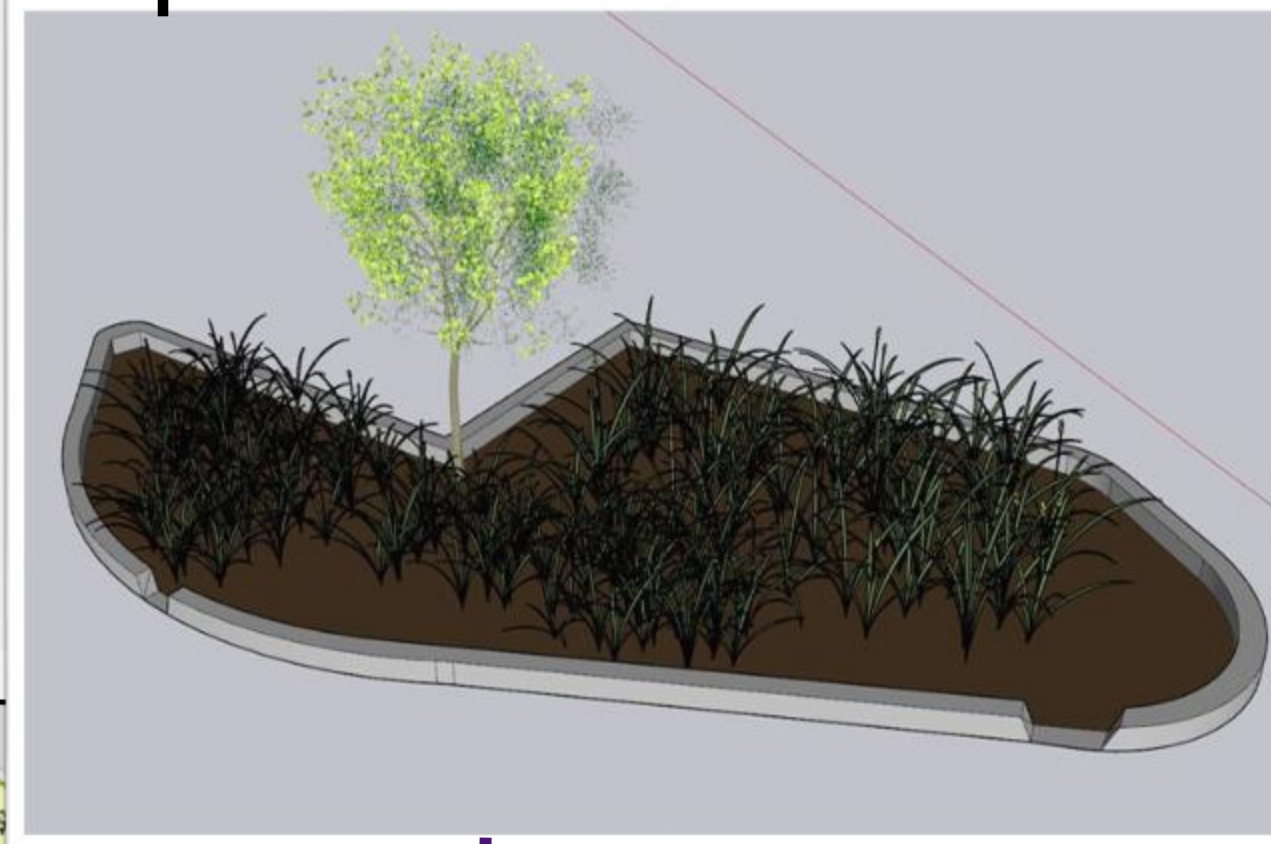


- Same usability
- Reduces water requirements
- Reduce carbon emissions from mowing
- Reduces chemical pollution from fertilizers
- School Pride

Cistern



Repaired Bioretention Cell



Purple Thyme Lawn



### Design Objectives

- Capture and reuse all stormwater on campus for irrigation
- Revamp some of the current green infrastructure we already have so it works more efficiently
- Create more space for students to focus on mental health through connectivity with nature/natural resources
- Educate the UP community on green infrastructure and stormwater management

Living Walls



Click to add text

Mental Health Haven



### Reuse Stormwater

- 20,000 gallons capacity cistern
- UV disinfection station
- 50-hp centrifugal pump

- Quiet Space on Campus
- Wellness Classes and Events
- Rainwater relaxation

### Focus on Mental Health

### Living Walls

- Captures rainfall
- Reduces heat island effect
- Thermal insulation

### Legend

- Stormwater Line
- Irrigation Line
- Primary Catch Basins
- Secondary Catch Basins
- Public Street Catch Basins
- Stormwater Management

- Living Walls
- Cistern
- Repaired Curb
- Mental Health Haven
- Thyme Lawns
- Masterplan Boundary



- Small Scale Living Wall
- Small Scale Bioretention Cells
- Rainwall
- Rain-powered Fountain

Elizabeth Diaz-Gunning  
Melissa Hamling  
Bryson Tamaye  
Sean Yoshishige  
Charline Hendrickx

